



Formwork for Concrete Structures (P/L Custom Scoring Survey)

By Garold (Gary) Oberlender, Robert Peurifoy

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The definitive guide to formwork design, materials, and methods--fully updated

Formwork for Concrete Structures, Fourth Edition, provides current information on designing and building formwork and temporary structures during the construction process. Developed with the latest structural design recommendations by the National Design Specification (NDS 2005), the book covers recent advances in materials, money- and energy-saving strategies, safety guidelines, OSHA regulations, and dimensional tolerances. Up-to-date sample problems illustrate practical applications for calculating loads and stresses. This comprehensive manual also includes new summary tables and equations and a directory of suppliers.

Formwork for Concrete Structures, Fourth Edition, covers:

- Economy of formwork
- Pressure of concrete on formwork
- Properties of form material
- Form design
- Shores and scaffolding
- Failures of formwork
- Forms for footings, walls, and columns
- Forms for beams and floor slabs
- Patented forms for concrete floor systems
- Forms for thin-shell roof slabs
- Forms for architectural concrete
- Slipforms
- Forms for concrete bridge decks
- Flying deck forms

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Editorial Review

From the Back Cover

A complete update of the classic guide to formwork design, materials, and methods The long-awaited update of this classic guide offers civil and structural engineers, architects, and contractors the latest information on formwork design, materials, and methods for concrete structures. The book fully examines important new developments in materials, as well as economical new design strategies. You'll find state-of-the-art coverage of forms for footings. . .walls. . .columns. . .beams and floor slabs. . .concrete floor systems. . .thinshell roof slabs. . .architectural concrete. . .concrete bridge decks. . .flying decks. . .and much more. The Third Edition of Formwork for Concrete Structures now features: A new chapter on top-down construction; New OSHA regulations and updated codes and standards; Up-to-date photographs and drawings; Numerous example problems that use the new NDS design values. And to help you achieve the best possible results on every formwork project, the Third Edition of this indispensable reference also contains numerous solved problems, many useful tables and equations for designing formwork, and a listing of manufacturers and suppliers of formwork materials.

About the Author

Robert L. Peurifoy taught civil engineering at the University of Texas and Texas A&I College, and construction engineering at Texas A&M University and Oklahoma State University. He served as a highway engineer for the U.S. Bureau of Public Roads and was the author of *Construction Planning, Equipment, and Methods* and *Estimating Construction Costs, Fifth Edition*. Mr. Peurifoy was a member of the American Society of Civil Engineers, which presents an award in his name.

Garold D. Oberlender, Ph.D., is Professor Emeritus of Civil Engineering at Oklahoma State University, where he was coordinator of the Graduate Program in Construction Engineering and Project Management. He has more than 40 years' experience as a consulting engineer, author, and professor.

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